

NPL Partial Site Deletion Narrative

Peters Cartridge Factory Kings Mill, Ohio

On September 25, 2018, the EPA deleted all media at the Former Process Area (FPA) portion of the Peters Cartridge Factory Superfund site located in Kings Mill, Ohio from the National Priorities List (NPL). The Peters Cartridge Factory site covers approximately 71 acres along the south bank of the Little Miami River. There are three areas that make up the site: the FPA, the Hamilton Township Property (HTP), and the Lowland Area (LA). The FPA portion of the site, covering 14.29 acres, is where most of the manufacturing processes took place.

The Peters Cartridge Factory produced ordnance and shot shell ammunition from 1887 to 1934. In 1934, the Remington Arms Company, Inc. (Remington) purchased the factory and continued the production of shot shell and cartridge ammunition. In 1944, ammunition production was discontinued and the land was divided and used for various non-ammunition production activities.

In 1992, the Ohio Environmental Protection Agency (OEPA) noted the release of possible hazardous substances at the site. Further investigations by OEPA determined that the site was impacted by copper, lead, and mercury, primarily in surface soils, associated with munitions manufacturing operations. The site was proposed to the NPL on April 30, 2003 and listed on September 18, 2012.

Beginning in March 2015, surface soils in the FPA with lead concentrations above EPA's commercial cleanup level (800 mg/kg) were excavated from depths of zero to two feet below ground surface (bgs). Surface/swale soils in the HTP and LA with lead concentrations above EPA's residential cleanup level (400 mg/kg) were excavated from depths of zero to two feet bgs. All surface/swale and subsurface soils in the FPA, HTP, and LA that exceeded EPA's hazardous waste toxicity characteristic leaching procedure concentration (5.0 mg/l) for lead were excavated from depths of zero to four feet. The excavated soil was consolidated in an on-site consolidation cell. The excavated areas were backfilled with clean soil covered by six inches of clean topsoil to existing grade.

Sediments from on-site drainage channels, concrete culverts, and outfalls were excavated and consolidated in the consolidation cell. Trash, including hazardous and nonhazardous soil and a small amount of asbestos-containing material, was excavated and disposed at appropriate off-site disposal facilities.

On January 30, 2018, the current owner of the FPA, Peters Cartridge Factory, LLC, filed an environmental covenant with the Warren County Recorder's Office. This covenant restricts land use to commercial and/or industrial use; prohibits extraction or use of groundwater beneath the FPA; and requires all excavation, digging, grading, or disturbance of the ground surface in the FPA be in accordance with the Soil Management Plan for the site.

The EPA and the state of Ohio, through the OEPA, have determined that all appropriate response actions under CERCLA, other than maintenance, monitoring, and five-year reviews, have been completed at the FPA. Therefore, the EPA is deleting the FPA portion of the Peters Cartridge site from the NPL.